OIPE

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: 1/15/2001

Serial Number: 09/872,057

Edited by:

Verified by: (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:

  _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

  _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

  _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

  _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:

  _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:

  _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:

  _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:

  _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☑ Other: globally corrected spelling of Artificial

  _____

  _____

  _____

"Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING DATE: 07/15/2001
PATENT APPLICATION: **US/09/872,051** TIME: 14:44:12

Input Set : **A:\Pto.amc**
Output Set: **N:\CRF3\07152001\I872051.raw**

<110> APPLICANT: Monsanto Co
Behr, Carl
Hironaka, Catherine
Heck, Gregory
You, Jinsong
<120> TITLE OF INVENTION: Corn Event PV-ZMGT32(nk603) and Composition and Methods for Detection
Thereof
<130> FILE REFERENCE: 38-21(52258)B
C--> **<140> CURRENT APPLICATION NUMBER: US/09/872,051**
C--> **<141> CURRENT FILING DATE: 2001-06-01**
<150> PRIOR APPLICATION NUMBER: 60/213,567
<151> PRIOR FILING DATE: 2000-06-22
<150> PRIOR APPLICATION NUMBER: 60/241,215
<151> PRIOR FILING DATE: 2000-10-13
<150> PRIOR APPLICATION NUMBER: 60/240,014
<151> PRIOR FILING DATE: 2000-10-13
<160> NUMBER OF SEQ ID NOS: 16
<170> SOFTWARE: PatentIn version 3.0
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<211> LENGTH: 22
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<222> LOCATION: (1)..(22)
<223> OTHER INFORMATION: fully synthesized
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gtatatcgac tcactatagg gc 22
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<221> NAME/KEY: source
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<223> OTHER INFORMATION: full synthesized
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<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<221> NAME/KEY: source
<222> LOCATION: (1)..(19)
<223> OTHER INFORMATION: fully synthesized
<400> SEQUENCE: 3

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Input Set : **A:\Pto.amc**
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69 actatagggc acgcgtggt 19
72 <210> SEQ ID NO: 4
73 <211> LENGTH: 29
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <221> NAME/KEY: source
79 <222> LOCATION: (1)..(29)
80 <223> OTHER INFORMATION: fully synthesized
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84 ctttgtttta ttttggacta tcccgactc 29
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 26
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90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
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94 <222> LOCATION: (1)..(26)
95 <223> OTHER INFORMATION: fully synthesized
98 <400> SEQUENCE: 5
99 agattgaatc ctgttgccgg tcttgc 26
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 28
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <221> NAME/KEY: source
109 <222> LOCATION: (1)..(28)
110 <223> OTHER INFORMATION: fully synthesized
113 <400> SEQUENCE: 6
114 gcggtgtcat ctatgttact agatcggg 28
117 <210> SEQ ID NO: 7
118 <211> LENGTH: 498
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <221> NAME/KEY: source
124 <222> LOCATION: (1)..(498)
125 <223> OTHER INFORMATION: 1-304 Zea maize genomic DNA
126 305-349 construct vector DNA
127 350-498 rice actin 1 promoter DNA
130 <400> SEQUENCE: 7
131 aatcgatcca aaatcgcgac tgaaatggtg gaagaaagag agaacagaga gcctcacgtt 60
133 tccagggtga agtatcagag gatttaccgc ccatgccttt tatggagaca agaaggggag 120
135 gaggtaaaca gatcagcatc agcgctcgaa agtttcgtca aaggatgcgg aactgtttcc 180
137 agccgccgtc gccattcggc cagactcctc ctctctcggc atgagccgat cttttctctg 240
139 gcatttccaa ccctagagac gtgcgtccct ggtgggctgc tcggccagca agccttgtag 300
141 cggcccacgc gtggtaccaa gcttgatatc cctagggcgg ccgcgttaac aagcttactc 360
143 gaggtcattc atatgcttga gaagagagtc gggatagtcc aaaataaaac aaaggtaaga 420

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145 ttaccggtca aaagtgaaaa catcagttaa aaggtgtata aagtaaaata tcggtaataa 480
147 aaggtggccc aaagtgaa 498
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151 <211> LENGTH: 1183
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <221> NAME/KEY: source
157 <222> LOCATION: (1)..(1183)
158 <223> OTHER INFORMATION: 1-164 Agrobacterium tumefaciens nos 3' terminator
159 165-381 construct vector DNA
160 382-686 Zea maize plastid genes, rps11 and rpoA
161 687-1183 Zea maize genomic DNA
164 <400> SEQUENCE: 8
165 gacgttattt atgagatggg tttttatgat tagagtcccg caattataca tttaatacgc 60
167 gatagaaaac aaaatatagc gcgcaaacta ggataaatta tcgcgcgcgg tgtcatctat 120
169 gttactagat cggggatatc cccggggaat tcggtaccaa gcttttataa tagtagaaaa 180
171 gagtaaattt cactttgggc cacctttttat taccgatatt ttactttata ccacctttta 240
173 actgatgttt tcacttttga ccaggtaatc ttacctttgt tttattttgg actatcccga 300
175 ctctcttctc aagcatatga atgacctcga gtaagcttgt taacgcggcc gccctaggga 360
177 tatcaagctt ggtaccacgc gacacacttc cactctagtg tttgagtgga tcctgttatc 420
179 tcttctcgaa ccataacaga ctagtattat ttgatcattg aatcgtttat ttctcttgaa 480
181 agcggtttca ttttttttta cagacgtctt tttttaggag gtcgacatcc attatgcggc 540
183 ataggtgtta catcgcgtat acaacttaac cgtacaccac ttttagcaat ggctcgtaat 600
185 gcggcatctc ttccgctacc agcacctttt accataactt ctgctcgttg caaacccact 660
187 gtacgaatag catctactgc tgttctgctg actttatttt ttttaataaa gtgaaaaacc 720
189 ataaaatgga caacaacacc ctgcccttca ctaccggtcg gagcgacgcc gaagatgggg 780
191 ttcaacacgg tcgcgacacg gatgcaacgg accctccaag ccaatactcg aggccggacc 840
193 gacgacgtag gcaggggtgg ccataacgac ggtggcggca tccaacttgt tctttccctt 900
195 tctctgtctt caacttgcgc cggcagtctg ctagacccag gggatgctgt gtggaggaga 960
197 ggtcgcgggg cccgattttt atagcctggg cgaggacgag cttggccgaa ccgatccaga 1020
199 gctctgcgca aatcacgaag aaccagtggg gccgctcgcg cctagcccac cgccaggagc 1080
201 ggggcttgtt gcgagccgta gcgtcgggaa ggggacgacc cgctaggggg gcccatgctc 1140
203 cagcgcccag agagaaaaaa agaaaggaag gcgcgagatg atg 1183
206 <210> SEQ ID NO: 9
207 <211> LENGTH: 19
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <221> NAME/KEY: source
213 <222> LOCATION: (1)..(19)
214 <223> OTHER INFORMATION: Zea maize genomic and vector DNA
217 <400> SEQUENCE: 9
218 tgtagcggcc cacgcgtgg 19
221 <210> SEQ ID NO: 10
222 <211> LENGTH: 18
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:

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PATENT APPLICATION: **US/09/872,051** TIME: 14:44:12

Input Set : **A:\Pto.amc**
Output Set: **N:\CRF3\07152001\I872051.raw**

227 <221> NAME/KEY: source
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229 <223> OTHER INFORMATION: zea maize plastid DNA and vector DNA
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233 taccacgcga cacacttc 18
236 <210> SEQ ID NO: 11
237 <211> LENGTH: 18
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <221> NAME/KEY: source
243 <222> LOCATION: (1)..(18)
244 <223> OTHER INFORMATION: Zea maize genomic DNA and vector DNA
247 <400> SEQUENCE: 11
248 tgctgttctg ctgacttt 18
251 <210> SEQ ID NO: 12
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253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <221> NAME/KEY: source
258 <222> LOCATION: (1)..(18)
259 <223> OTHER INFORMATION: Agrobacterium tumefaciens nos 3' terminator and rice actin promot
260 er DN
263 <400> SEQUENCE: 12
264 accaagcttt tataatag 18
267 <210> SEQ ID NO: 13
268 <211> LENGTH: 22
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <221> NAME/KEY: source
274 <222> LOCATION: (1)..(22)
275 <223> OTHER INFORMATION: fully synthesized
278 <400> SEQUENCE: 13
279 aatcgatcca aaatcgcgac tg 22
282 <210> SEQ ID NO: 14
283 <211> LENGTH: 22
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <221> NAME/KEY: source
289 <222> LOCATION: (1)..(22)
290 <223> OTHER INFORMATION: fully synthesized
293 <400> SEQUENCE: 14
294 ttcactttgg gccacctttt at 22
297 <210> SEQ ID NO: 15
298 <211> LENGTH: 22
299 <212> TYPE: DNA

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PATENT APPLICATION: **US/09/872,051** TIME: 14:44:12

Input Set : **A:\Pto.amc**
Output Set: **N:\CRF3\07152001\I872051.raw**

300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <221> NAME/KEY: source
304 <222> LOCATION: (1)..(22)
305 <223> OTHER INFORMATION: fully synthesized
308 <400> SEQUENCE: 15
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312 <210> SEQ ID NO: 16
313 <211> LENGTH: 22
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <221> NAME/KEY: source
319 <222> LOCATION: (1)..(22)
320 <223> OTHER INFORMATION: fully synthesized
323 <400> SEQUENCE: 16
324 catcatctcg cgccttcctt tc 22

VERIFICATION SUMMARY DATE: 07/15/2001
PATENT APPLICATION: **US/09/872,051** TIME: 14:44:13

Input Set : **A:\Pto.amc**
Output Set: **N:\CRF3\07152001\I872051.raw**

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date